

**EXHIBIT E**

# BIOCHEMICALS

## ORGANIC COMPOUNDS

## DIAGNOSTIC REAGENTS

### TOLL FREE ORDERING

#### Ordering Hours

Monday through Friday - 24 Hours a Day  
Saturday, Sunday and Holidays -  
6:00 a.m. to 5:00 p.m. (CST)

#### Telephone

USA/Canada.....800-325-3010  
Outside USA/Canada  
(Call Collect).....314-771-5750

**Bulk Inquiries - Call SAF**  
*See Page 16 for Details*

#### FAX

USA/Canada.....800-325-5052  
Outside USA/Canada .....314-771-5757  
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### CUSTOMER/TECHNICAL SERVICE

Customer Service/Technical Service telephone numbers located on card inside front cover and on page 3.

*Should you have any problems getting excellent service at the above numbers, please call COLLECT (anytime Day or Night, including Weekends and Holidays) 314-531-9500.*

# SIGMA<sup>®</sup>

ALPHABETICAL LIST

RADIOACTIVE PEPTIDES

INSULIN-CHEMICALS

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PRODUCT INDEX

# ALPHABETICAL LIST OF COMPOUNDS

PRODUCT  
NUMBER

US \$

PRODUCT  
NUMBER

US 1

## 5-HYDROXYTRYPTAMINE-AGAROSE

See under: Affinity Chromatography Media  
Page 1768

**H 8002** **5-HYDROXY- $\alpha$ -TRYPTOPHAN** 25 mg 12.55  
( $\alpha$ -2-Amino-3-[5-hydroxy-  
indolyl]propionic acid) 50 mg 20.45  
Crystalline 100 mg 33.85  
[4350-07-6]  $C_{11}H_{12}N_2O_3$  250 mg 66.45  
FW 220.2

**H 8127** **5-HYDROXY- $\alpha$ -TRYPTOPHAN** 100 mg 6.10  
( $\alpha$ -2-Amino-3-[5-hydroxy-  
indolyl]propionic acid) 250 mg 9.45  
Sigma Grade, Crystalline 500 mg 17.05  
Approx. 99% 1 g 26.25  
[114-03-4]  $C_{11}H_{12}N_2O_3$  FW 220.2 5 g 121.80

**H 9772** **5-HYDROXY- $\alpha$ -TRYPTOPHAN** 100 mg 5.40  
( $\alpha$ -2-Amino-3-[5-hydroxyindolyl]-  
propionic acid) 250 mg 8.70  
Hydrate 1 g 16.80  
[145224-90-4]  $C_{11}H_{12}N_2O_3$  5 g 46.70  
FW 220.2 25 g 179.85

**H 8377** **5-HYDROXY- $\alpha$ -TRYPTOPHAN** 10 mg 7.35  
**ETHYL ESTER** 50 mg 24.30  
**Hydrochloride** 100 mg 40.35  
Crystalline 250 mg 80.55  
[103404-89-3]  $C_{13}H_{16}N_2O_3 \cdot HCl$  1 g 261.45  
FW 284.7

**H 1880** **5-HYDROXYTRYPTOPHOL** 50 mg 11.65  
(2-[5-Hydroxy-3-indolyl]ethyl  
alcohol) 100 mg 16.60  
Approx. 98% 500 mg 55.10  
Crystalline 1 g 91.40  
Sealed ampule.  
[154-02-9]  $C_{10}H_{11}NO_2$  FW 177.2

**H 8502** **3-HYDROXYTYRAMINE** 1 g 4.85  
(4-[2-Aminoethyl]-1,2-benzenediol;  
3,4-Dihydroxyphenethylamine;  
Dopamine) 5 g 12.10  
Hydrochloride 25 g 45.20  
Crystalline 100 g 146.80  
[62-31-7]  $C_8H_{11}NO_2 \cdot HCl$  FW 189.6

## 3-HYDROXYTYROSINE

See: L-3,4-Dihydroxyphenylalanine Page 361

## 5-HYDROXYURACIL

See: Isobarbituric Acid Page 590

**H 8627** **HYDROXYUREA** 1 g 12.10  
Crystalline 5 g 47.95  
[127-07-1]  $CH_4N_2O_2$  FW 76.05 10 g 67.10  
25 g 147.65  
100 g 479.45

**H 8752** **5-HYDROXYURIDINE** 100 mg 9.60  
(1- $\beta$ -D-Ribofuranosylisobarbituric  
acid) 1 g 76.65  
Crystalline  
[957-77-7]  $C_9H_{12}N_2O_7$  FW 260.2

**H 8005** **6-HYDROXYURIDINE** 5 mg 33.60  
(1- $\beta$ -D-Ribofuranosylbarbituric  
acid) 100 mg 301.05  
Approx. 98%  
[19556-63-9]  $C_9H_{12}N_2O_7$  FW 260.2

**H 8880** **6-HYDROXYURIDINE** 1 mg 17.80  
**5'-MONOPHOSPHATE** 5 mg 57.40  
(1- $\beta$ -D-Ribofuranosylbarbituric  
acid 5'-monophosphate)  
Sodium Salt: Approx. 98%  
[103404-93-9]  $C_9H_{13}N_2O_{10}P$  FW 340.2 (for free  
acid) 25 mg 189.00

## $\alpha$ -HYDROXY-n-VALERIC ACID

**H 8877** ( $\alpha$ -2-Hydroxypentanoic acid) 100 mg 7.60  
Sodium Salt 250 mg 13.55  
Crystalline 500 mg 22.50  
[84176-70-5]  $C_5H_9O_3Na$  1 g 37.40  
FW 140.1

## $\alpha$ -HYDROXYVALERIC ACID

**H 8878** **ETHYL ESTER** 5 ml 19.75  
( $\alpha$ -2-Hydroxypentanoic acid ethyl  
ester; Ethyl  $\alpha$ -2-hydroxyvalerate)  
d = 0.98 g/ml 10 ml 32.95  
[16179-36-5]  $C_7H_{14}O_3$  FW 146.2 25 ml 72.45

## HYDROXYZINE

**H 8885** **Dihydrochloride** 10 g 28.70  
(2192-20-3)  $C_{21}H_{27}ClN_2O_2 \cdot 2HCl$  25 g 56.15  
FW 447.8 50 g 92.65  
**H 9010** **Pamoate Salt** 10 g 15.25  
(10246-75-0)  $C_{21}H_{27}ClN_2O_2$  25 g 32.05  
 $\cdot C_{23}H_{35}O_8$  FW 763.3 100 g 101.00

## HYGROMYCIN B

**H 7772** **From Streptomyces** 50 mg 15.80  
**hygroscopicus** 100 mg 26.30  
Minimum 60% (HPLC) 250 mg 52.60  
Lyophilized powder purified by  
ion-exchange chromatography. 1 g 156.95  
See also: Tissue Culture Media and Reagents  
Page 1633  
[31282-04-9]  $C_{20}H_{33}N_3O_{13}$  FW 527.5

## HYOCHOLIC ACID

**H 8385** ( $5\beta$ -Cholan-24-oic acid-  
3 $\alpha$ ,6 $\alpha$ ,7 $\alpha$ -triol; 500 mg 14.70  
3 $\alpha$ ,6 $\alpha$ ,7 $\alpha$ -Trihydroxy-5 $\beta$ -cholan-  
24-oic acid) 1 g 23.65  
[547-75-1]  $C_{24}H_{40}O_5$  FW 408.6 5 g 91.10  
10 g 163.90

## HYDROXYCHOLIC ACID

(3 $\alpha$ ,6 $\alpha$ -Dihydroxy-5 $\beta$ -cholan-24-oic acid;  
5 $\beta$ -Cholan-24-oic acid-3 $\alpha$ ,6 $\alpha$ -diol)  
**H 3878** **Free Acid** 1 g 8.55  
Minimum 98% 5 g 23.65  
[83-49-8]  $C_{24}H_{40}O_4$  FW 392.6 25 g 86.75

**H 2392** **Sodium Salt** 1 g 7.75  
Minimum 98% 5 g 24.30  
[10421-49-5]  $C_{24}H_{40}O_4Na$  FW 415.6 25 g 78.90

## HYDROXYCHOLIC ACID METHYL

**H 2517** **ESTER** 1 g 13.05  
(3 $\alpha$ ,6 $\alpha$ -Dihydroxy-5 $\beta$ -cholan-24-oic  
acid methyl ester) 5 g 41.10  
Minimum 98% 25 g 133.85  
[2868-48-6]  $C_{25}H_{42}O_4$  FW 406.6

## HYOSCINE

See: (-)-Scopolamine Page 919

## L-HYOSCYAMINE

([3(S)-endo]- $\alpha$ -[Hydroxymethyl]benzeneacetic acid  
8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester)

**H 9002** **Free Base** 5 g 22.10  
Crystalline 10 g 36.75  
[101-31-5]  $C_{17}H_{23}NO_3$  FW 289.4 FOB Sigma

**H 6128** **Hemisulfate Salt** 5 g 13.50  
Crystalline FOB Sigma  
[620-61-1]  $C_{17}H_{23}NO_3 \cdot 1/2H_2SO_4$   
FW 338.4

**H 9253** **Hydrobromide** 5 g 14.90  
Crystalline 10 g 24.00  
[306-03-6]  $C_{17}H_{23}NO_3 \cdot HBr$  FOB Sigma  
FW 370.3

(Continued)

# ALPHABETICAL LIST OF COMPOUNDS

ALP

PRODUCT NUMBER	US \$	PRODUCT NUMBER	US \$
M 4765	10 mg 15.50 50 mg 51.50 250 mg 204.00 1 g 652.00	M 4126	25 mg 12.75 50 mg 20.75 100 mg 33.80 250 mg 66.45 500 mg 110.20
N-METHOXYSUCCINYL-ALA-ALA-PRO-VAL p-NITROANILIDE Substrate for human leukocyte elastase. Ref.: Nakajima, K., et al., J. Biol. Chem., 254, 4027 (1979). [70967-90-7] C <sub>27</sub> H <sub>32</sub> N <sub>6</sub> O <sub>8</sub> FW 590.6		5-METHOXYTRYPTOPHOL [712-09-4] C <sub>11</sub> H <sub>13</sub> NO <sub>2</sub> FW 191.2	
6-METHOXY-1-(3-SULFONATOPROPYL)QUINOLINIUM See: 3-(6-Methoxyquinolino)propanesulfonate Page 671		3-METHOXYTYRAMINE See: Forensic Chemistry Page 1832	
6-METHOXY-N-(3-SULFOPROPYL)QUINOLINIUM INNER SALT See: 3-(6-Methoxyquinolino)propanesulfonate Page 671		M 1132 3-METHOXY-α-TYROSINE (α-4-Hydroxy-3-methoxy-phenylalanine; α-3-O-Methyl-DOPA) Crystalline [4214-13-5] C <sub>10</sub> H <sub>13</sub> NO <sub>4</sub> FW 211.2	
M 0897 6-METHOXY-1,2,3,4-TETRAHYDRO-9H-PYRIDO[3,4-β]INDOLE (6-Methoxy-1,2,3,4-tetrahydro-β-carboline; 6-Methoxytryptoline; Pinoline) [20315-68-8] C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O FW 202.3		M 4255 3-METHOXY-γ-TYROSINE (4-Hydroxy-3-methoxy-L-phenylalanine; L-3-O-Methyl-DOPA) Hydrate Off-white to yellow powder [30048-1] C <sub>10</sub> H <sub>13</sub> NO <sub>4</sub> FW 211.2	
M 8130 6-METHOXY-1-TETRALONE [1078-19-9] C <sub>11</sub> H <sub>12</sub> O <sub>2</sub> FW 176.2		M 9261 5-METHOXYURIDINE Crystalline [35542-01-9] C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> O <sub>7</sub> FW 274.2	
M 9510 (+)-α-METHOXY-α-TRIFLUOROMETHYLPHENYLACETIC ACID ([+]-MTPA) [20445-31-2] C <sub>10</sub> H <sub>9</sub> F <sub>3</sub> O <sub>3</sub> FW 234.2		M 5644 METHOXYVERAPAMIL (D 600) Hydrochloride [16662-47-8] C <sub>23</sub> H <sub>26</sub> N <sub>2</sub> O <sub>5</sub> • HCl FW 521.1	
M 9385 (-)-α-METHOXY-α-TRIFLUOROMETHYLPHENYLACETIC ACID ([-]-MTPA) [17257-71-5] C <sub>10</sub> H <sub>9</sub> F <sub>3</sub> O <sub>3</sub> FW 234.2		METHSCOPOLAMINE BROMIDE See: Scopolamine, Methyl Bromide Page 919	
M 8272 Nω-(4-METHOXY-2,3,6-TRIMETHYLBENZENESULFONYL)-L-ARGININE [80745-10-4] C <sub>18</sub> H <sub>28</sub> N <sub>4</sub> O <sub>5</sub> S FW 386.5		METHSCOPOLAMINE NITRATE See: Scopolamine, Methyl Nitrate Page 919	
5-METHOXYTRYPTAMINE (3-[2-Aminoethyl]-5-methoxyindole; O-Methyl-serotonin)		M 0257 METHYL 2-ACETAMIDO-2-DEOXY-α-D-GLUCOPYRANOSIDE Crystalline [6082-04-8] C <sub>9</sub> H <sub>17</sub> NO <sub>6</sub> FW 235.2	
M 7002 Free Base Off-white to tan crystals. [608-07-1] C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O FW 190.2		M 1516 METHYL 2-ACETAMIDO-2-DEOXY-β-D-GLUCOPYRANOSIDE [3946-01-8] C <sub>9</sub> H <sub>17</sub> NO <sub>6</sub> FW 235.2	
M 6628 Hydrochloride White crystals. [66-83-1] C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O • HCl FW 226.7		M 0775 METHYL 3-O-(2-ACETAMIDO-2-DEOXY-β-D-GLUCOPYRANOSYL)-β-D-GALACTOPYRANOSIDE (β-D-GlcNAc-[1→3]-β-D-Gal-1→O-Me) Substrate for β-6-GlcNAc-transferase. <sup>1</sup> Also used for the inhibition studies of rat lung lectin. <sup>2</sup> Streptococcus pneumoniae, and H. influenzae. <sup>3</sup> Ref.: 1. Brockhausen, I., et al., Eur. J. Biochem., 157, 463 (1986). 2. Leffler, H. and Barondes, S.H., J. Biol. Chem., 261, 10119 (1986). 3. Andersson, B., et al., J. Infect. Dis., 153, 232 (1986). [93253-17-9] C <sub>18</sub> H <sub>27</sub> NO <sub>11</sub> FW 409.4	
M 3653 5-METHOXYTRYPTAMINE-d <sub>4</sub> (3-[2-Amino(ethyl-d <sub>4</sub> )]-5-methoxyindole) Hydrochloride 98 atom % D Ref.: 1. Gunther, J., et al., Acta Chem. Scand. B, 39, 849 (1985). 2. Shaw, G.J., et al., Biomed. Mass Spect., 4, 348 (1977). [66521-35-5] C <sub>11</sub> D <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O • HCl FW 230.7		M 0774 METHYL 6-O-(2-ACETAMIDO-2-DEOXY-β-D-GLUCOPYRANOSYL)-α-D-MANNOPIRANOSIDE (β-D-GlcNAc-[1→6]-α-D-Man-1→O-Me) A model compound for the study of proteoglycans by NMR. <sup>1,2</sup> Ref.: 1. Montreuil, J., Pure Appl. Chem., 42, 431 (1975). 2. Ogawa, T. and Nakasayashi, S., Agric. Biol. Chem., 45, 2329 (1981). [80264-88-6] C <sub>15</sub> H <sub>27</sub> NO <sub>11</sub> FW 397.4	
M 7384 6-METHOXYTRYPTAMINE (3-[2-Aminoethyl]-6-methoxyindole) Yellow crystals. [3610-36-4] C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O FW 190.2			
M 4001 5-METHOXY-α-TRYPTOPHAN Light yellow crystals. [28052-84-8] C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub> FW 234.3			

How to use price list - page 7.

PRODUCT NUMBER	US \$
M 3880	12.75
METHYL ACETIM Hydrochloride [14777-27-6] C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub> FW 109.6	
M 4376	12.75
METHYL ACETO (3-Oxobutano ester; Aceto ester) Approx. 99% d = 1.08 g/ml [105-45-3] C <sub>5</sub> H <sub>8</sub> O <sub>3</sub>	
M 0145	12.75
2-METHYLACET (Methyl o-tol; d = 1.03 g/ml [577-16-2] C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> )	
M 9520	12.75
3-METHYLACET (Methyl m-to; d = 0.99 g/ml [585-74-0] C <sub>9</sub> H <sub>10</sub> O <sub>2</sub> )	
M 0765	12.75
4-METHYLACE Approx. 95% d = 1 g/ml [122-00-9] C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	
METHYL 3α-Ac See: 5β-Cho Methyl Ester	
METHYL 3α-A See: 5α-Chc Methyl Ester	
6α-METHYL-1 See: 6α-Me Page 684	
M 6405	12.75
2-O-METHYL-NEURAMIN (α-D-Neu-5 Approx. 9% Model con enza virus Ref.: 1. Sa (1989). 2. Daman, 47 (1982) [50930-22]	
M 8010	12.75
bis-N-METH NITRATE (N,N'-Dim dinitrate; [2315-97-7] FW 510.5)	
M 4876	12.75
1-METHYL (6-Amino White po [5142-22]	
M 7007	12.75
2-METHYL (6-Amino Hemisul Crystalli [74873-1] FW 198	
M 9281	12.75
3-METHYL (6-Amino Standar nucleic carcino [5142-22]	

## ALPHABETICAL LIST OF COMPOUNDS

ALPH

PRODUCT NUMBER	US \$	PRODUCT NUMBER	US \$
M 3664 NEW 12-METHYLTETRADECANOIC ACID [5502-94-3] C <sub>14</sub> H <sub>28</sub> O <sub>2</sub> FW 228.4	25 mg 60.00 100 mg 185.00	M 7502 NEW 5-METHYL-2-THIOCYTOSINE (4-Amino-5-methyl-2-thio- pyrimidine) Light yellow crystals. [7390-56-9] C <sub>5</sub> H <sub>7</sub> N <sub>3</sub> S FW 141.2	100 mg 22.95 500 mg 76.45
M 3789 NEW 12-METHYLTETRADECANOIC ACID METHYL ESTER [5129-66-8] C <sub>16</sub> H <sub>32</sub> O <sub>2</sub> FW 256.4	25 mg 60.00 100 mg 185.00	M 9268 NEW 2-(METHYLTHIO)ETHANOL (2-Hydroxyethyl methyl sulfide; 2-(Methylmercapto)ethanol) d = 1.06 g/ml [5271-38-5] C <sub>3</sub> H <sub>8</sub> SO FW 92.16	10 g 13.35 50 g 40.65 FOB Sigma
13-METHYLTETRADECANOIC ACID See: 13-Methylmyristic Acid Page 686		METHYL β-D-THIOGALACTOSIDE (Methyl β-D-thiogalacto- pyranoside; TMG) Crystalline [155-30-6] C <sub>7</sub> H <sub>14</sub> O <sub>6</sub> S FW 210.2	100 mg 9.85 250 mg 21.05 500 mg 37.25 1 g 66.45 5 g 261.65
4-O-METHYL-12-O-TETRADECANOYLPHORBOL 13- ACETATE See: Phorbol 12-Myristate 13-Acetate 4-O-Methyl Ether Page 601		METHYLTHIOHYDANTOIN AMINO ACIDS (MTH-Amino acids) Purity usually approx. 95%	100 mg 8.35 250 mg 16.65 500 mg 27.70
5-METHYLTETRAHYDROFOLIC ACID (5-Methyl-5,6,7,8-tetrahydropteroyl-L-glutamic acid) We also offer: Dihydrofolic Acid Page 355 and Tetrahydrofolic Acid Page 970		M 3381 NEW MTH-OL-Alanine [64948-74-9] C <sub>5</sub> H <sub>9</sub> N <sub>2</sub> OS FW 144.2	
M 7754 NEW Barium Salt Approx. 90% Tan powder. Sealed ampule. [68703-91-3] C <sub>20</sub> H <sub>23</sub> N <sub>7</sub> O <sub>6</sub> Ba FW 594.8	10 mg 29.10 25 mg 53.05 10 × 1 mg 78.20 100 mg 173.95 500 mg 686.30	M 3506 NEW MTH-OL-α-Aminobutyric Acid [59865-21-3] C <sub>6</sub> H <sub>10</sub> N <sub>2</sub> OS FW 158.2	
M 1383 NEW Magnesium Salt Approx. 90% Off-white to tan powder. Sealed ampule. [104809-07-6] C <sub>20</sub> H <sub>23</sub> N <sub>7</sub> O <sub>6</sub> Mg FW 481.8	5 mg 26.35 10 mg 43.00 25 mg 85.05 100 mg 234.75	M 7381 NEW MTH-OL-α-Aminoisobutyric Acid [24619-04-3] C <sub>6</sub> H <sub>10</sub> N <sub>2</sub> OS FW 158.2	
M 0132 NEW Disodium Salt Approx. 90% Tan powder. Sealed ampule. [68792-52-9] C <sub>20</sub> H <sub>23</sub> N <sub>7</sub> O <sub>6</sub> Na <sub>2</sub> FW 503.4	5 mg 26.35 10 mg 43.00 25 mg 85.05 100 mg 234.75	M 3756 NEW MTH-OL-Arginine Hydrochloride [3119-96-8] C <sub>11</sub> H <sub>19</sub> N <sub>5</sub> OS • HCl FW 265.8	
OL-6-METHYL-5,6,7,8-TETRA- HYDROPTERINE [6-MPH <sub>4</sub> ; OL-2-Amino- 4-hydroxy-6-methyl- 5,6,7,8-tetrahydropteridine) Dihydrochloride Approx. 95% Crystalline Synthetic cofactor for tyrosine hydrolase Ref.: 1. Bostwick, J.R., and Wei-Dong, L., Anal. Biochem., 192, 125 (1991). 2. Naoi, M., et al., J. Chromatogr., 427, 229 (1988). [69113-63-9] C <sub>7</sub> H <sub>11</sub> N <sub>5</sub> O • 2HCl FW 254.1	10 mg 14.80 50 mg 47.50 100 mg 85.30	M 4006 NEW MTH-OL-Aspartic Acid [28868-14-6] C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>5</sub> FW 188.2	
4-METHYL-5-THIAZOLEETHANOL See: 4-Methyl-5-(β-hydroxyethyl)thiazole Page 683		M 4131 NEW MTH-OL-Glutamic Acid [1801-64-3] C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O <sub>5</sub> FW 202.2	
METHYL-[5-[2-THIENYL-CARBONYL]- 1H-BENZIMIDAZOL-2-YL]- CARBAMATE (Nocodazole) Crystalline [31430-18-9] C <sub>14</sub> H <sub>11</sub> N <sub>3</sub> O <sub>3</sub> S FW 301.3	2 mg 9.20 10 mg 28.35 50 mg 96.40	M 4256 NEW MTH-OL-Glutamine [1968-37-2] C <sub>7</sub> H <sub>11</sub> N <sub>3</sub> O <sub>5</sub> FW 201.2	
METHYL 2-THIENYL KETONE See: 2-Acetylthiophene Page 36		M 4381 NEW MTH-Glycine [694-68-8] C <sub>4</sub> H <sub>7</sub> N <sub>2</sub> OS FW 130.2	
METHYLTHIOADENOSINE See: 5'-Deoxy-5'-methylthioadenosine Page 324		M 4506 NEW MTH-OL-Histidine [5174-78-7] C <sub>8</sub> H <sub>10</sub> N <sub>4</sub> OS FW 210.3	
4-(METHYLTHIO)-m-CRESOL (3-Methyl-4-[methylthio]phenol; MTMC) Crystalline [3120-74-9] C <sub>8</sub> H <sub>10</sub> OS FW 154.2	100 g 8.85 FOB Sigma	M 4631 NEW MTH-OL-Hydroxyproline [104809-12-3] C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O <sub>5</sub> FW 186.2	
		M 4756 NEW MTH-OL-Isoleucine [704-06-3] C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> OS FW 186.3	
		M 4881 NEW MTH-OL-Leucine [1076-72-8] C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> OS FW 186.3	
		M 5006 NEW MTH-(ε-Methylthiocarbonyl)-OL-Lysine [3120-19-2] C <sub>10</sub> H <sub>16</sub> N <sub>4</sub> OS <sub>2</sub> FW 274.4	
		M 5131 NEW MTH-OL-Methionine [877-49-4] C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> OS <sub>2</sub> FW 204.3	
		M 5256 NEW MTH-OL-Norleucine [104809-14-5] C <sub>6</sub> H <sub>11</sub> N <sub>2</sub> OS FW 186.3	
		M 5381 NEW MTH-OL-Norvaline [104809-15-6] C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> OS FW 172.2	
		M 5506 NEW MTH-OL-Phenylalanine [30615-87-3] C <sub>11</sub> H <sub>13</sub> N <sub>2</sub> OS FW 220.3	
		M 5631 NEW MTH-OL-Proline [1968-34-9] C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> OS FW 170.2	
		M 6006 NEW MTH-OL-Tryptophan [4311-88-0] C <sub>13</sub> H <sub>13</sub> N <sub>2</sub> OS FW 259.3	
		M 6131 NEW MTH-OL-Tyrosine [886-26-0] C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub> FW 236.3	
		M 6256 NEW MTH-OL-Valine [700-29-8] C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> OS FW 172.2	
		6-METHYLTHIO-2-HYDROXY- PURINE Approx. 95% Crystalline [22514-96-1] C <sub>6</sub> H <sub>6</sub> N <sub>4</sub> OS FW 182.2	100 mg 9.35 250 mg 17.60 1 g 47.25 5 g 162.30
		N-[bis(METHYLTHIO)METHYLENE]- p-TOLUENESULFONAMIDE Minimum 98% (TLC) [2651-15-2] C <sub>10</sub> H <sub>12</sub> NO <sub>2</sub> S <sub>2</sub> FW 275.4	5 g 13.00 25 g 43.50
		METHYLTHIONINE CHLORIDE See: Methylene Blue Page 679	

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PRODUCT NUMBER	US \$
M 1394 NEW 2-METHYLTHIOPHEN d = 1.01 g/ml [554-14-3] C <sub>6</sub> H <sub>6</sub> S FW	
3-METHYLTHIOPHEN M 8014 NEW d = 1.02 g/ml [616-44-4] C <sub>6</sub> H <sub>6</sub> S FW	
5-METHYL-2-THIOPH M 8139 NEW CARBOXYALDEHYD d = 1.17 g/ml [13679-70-4] C <sub>6</sub> H <sub>6</sub> S	
4-(METHYLTHIO)PHI M 5667 NEW (MTP) Approx. 95% [1073-72-9] C <sub>6</sub> H <sub>6</sub> O:	
β-METHYLTHIOPRO See: Methylthional Page	
2-METHYL-2-THIOP See: S-Methylisothi	
6-METHYLTHIOPUR See: 6-Methylmer	
4 or 6-METHYL-2-TI See: 4-Hydroxy-6- Page 561	
5-METHYL-2-THIOU M 2516 NEW (4-Hydroxy-2-me 5-methylpyrimidi [636-26-0] C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	
N-METHYLTHIOURI M 0520 NEW [598-52-7] C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>	
5-METHYL-2-THIOI M 8012 NEW (32738-09-3) C <sub>10</sub> H <sub>8</sub> FW 274.3	
O-METHYL-L-THRE M 1630 NEW (L-Threonine me Crystalline [4144-02-9] C <sub>5</sub> H <sub>10</sub>	
2-O-METHYLTHYM M 6273 NEW (37085-48-6) C <sub>11</sub> H <sub>14</sub> FW 256.3	
3-METHYLTHYMIE M 3518 NEW (958-74-7) C <sub>11</sub> H <sub>14</sub> FW 256.3	
4-O-METHYLTHYA M 6398 NEW (50591-13-4) C <sub>11</sub> H <sub>14</sub> FW 256.3	
1-METHYLTHYMI M 7636 NEW (2,4-Dihydroxy- pyrimidine) [4160-72-9] C <sub>6</sub> H <sub>8</sub>	
METHYLTHYMO M 2255 NEW (3,3'-bis[N,N'-I aminomethyl]thi phthalen; MTE Sodium Salt pH 6.5 (yellow [1945-77-3] C <sub>37</sub>	
METHYL p-TOLU M 5635 NEW d = 1.23 g/ml Cancer suspec [80-48-8] C <sub>8</sub> H <sub>10</sub>	
METHYL 2,3,4-T M 8656 NEW β-D-THIOGALA URONIC ACID [129541-34-0] FW 364.4	

# ALPHABETICAL LIST OF COMPOUNDS

PRODUCT  
NUMBER

US \$

PRODUCT  
NUMBER

US \$

PRODUCT  
NUMBER

5-METHYLTRYPTAMINE		50 mg	7.25
M 8252	Hydrochloride	100 mg	12.05
☐☐☐	Off-white crystals.	250 mg	24.10
	[55795-89-6] C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> • HCl	500 mg	43.45
	FW 210.7	1 g	76.65
7-METHYLTRYPTAMINE		100 mg	15.05
M 8002	Crystalline	500 mg	45.40
☐☐☐	[14490-05-2] C <sub>11</sub> H <sub>14</sub> N <sub>2</sub>	1 g	74.80
	FW 174.2		
N-METHYLTRYPTAMINE			
See: Forensic Chemistry Page 1832			
α-METHYL-DL-TRYPTOPHAN		100 mg	17.60
M 8377	Light yellow crystals.	250 mg	38.25
☐☐☐	[153-91-3] C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>	500 mg	69.30
	FW 218.3	1 g	115.25
1-METHYL-DL-TRYPTOPHAN		100 mg	17.75
M 9764	Approx. 95%	250 mg	35.45
☐☐	Off-white to tan powder.	500 mg	63.90
	[26988-72-7] C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>	1 g	97.80
	FW 218.3		
4-METHYL-DL-TRYPTOPHAN		50 mg	29.20
M 8502	[1954-45-6] C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>	250 mg	96.80
☐☐☐	FW 218.3	1 g	290.05
5-METHYL-DL-TRYPTOPHAN		100 mg	16.95
M 0534	Crystalline	250 mg	33.80
☐☐☐	[951-55-3] C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>	500 mg	60.85
	FW 218.3	1 g	116.85
		5 g	408.15
		25 g	1360.20
6-METHYL-DL-TRYPTOPHAN		25 mg	11.80
M 8752	Light yellow to orange crystals.	100 mg	31.30
☐☐☐	[2280-85-5] C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>	500 mg	101.50
	FW 218.3	1 g	168.30
7-METHYL-DL-TRYPTOPHAN		25 mg	9.60
M 8379	Off-white crystals.	100 mg	23.55
☐☐☐	[17332-70-6] C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>	500 mg	72.90
	FW 218.3	1 g	120.05
Nα-METHYL-L-TRYPTOPHAN			
See: L-Abrine Page 18			
α-METHYL-DL-m-TYROSINE		100 mg	14.85
M 8877	(DL-2-Methyl-3-(3-hydroxy-phenyl)alanine); α-MMT	250 mg	29.65
☐☐☐	Crystalline	500 mg	49.35
	[62-25-9] C <sub>10</sub> H <sub>13</sub> NO <sub>3</sub>	1 g	82.25
	FW 195.2	5 g	325.80
α-METHYL-DL-p-TYROSINE		250 mg	6.05
M 7628	(DL-2-Methyl-3-[4-hydroxy-phenyl]alanine)	1 g	14.05
☐☐☐	Crystalline	5 g	54.20
	[658-48-0] C <sub>10</sub> H <sub>13</sub> NO <sub>3</sub>	25 g	179.70
	FW 195.2		
α-METHYL-L-p-TYROSINE		25 mg	9.05
M 8131	(L-2-Methyl-3-[4-hydroxy-phenyl]alanine)	100 mg	23.05
☐☐☐	Crystalline	250 mg	44.90
	[672-87-7] C <sub>10</sub> H <sub>13</sub> NO <sub>3</sub>	1 g	118.50
	FW 195.2	5 g	482.45
O-METHYL-DL-TYROSINE		25 mg	7.55
M 8504	(4-Methoxy-DL-phenylalanine)	100 mg	18.15
☐☐☐	White powder.	500 mg	55.45
	[7635-29-2] C <sub>10</sub> H <sub>13</sub> NO <sub>3</sub>	1 g	91.55
	FW 195.2		
O-METHYL-L-TYROSINE			
(4-Methoxy-L-phenylalanine)			
M 4775	Free Base	100 mg	12.05
☐☐☐	[6230-11-1] C <sub>10</sub> H <sub>13</sub> NO <sub>3</sub>	250 mg	23.35
	FW 195.2	1 g	57.05
		5 g	204.35
M 5149	Hydrochloride	250 mg	11.55
☐☐☐	[67423-44-3] C <sub>10</sub> H <sub>13</sub> NO <sub>3</sub> • HCl	1 g	29.90
	FW 231.7	5 g	106.65

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<b>4-METI</b>			<b>4-METI</b>		
M 9519	α-L-F		M 8880	α-L-F	
	May met			Crys	
	[774]			FW	
<b>4-METI</b>			<b>4-METI</b>		
M 7759	BUT		M 7759	BUT	
	Crys			Crys	
	[176]			FW	
<b>4-METI</b>			<b>4-METI</b>		
M 6018	β-D-C		M 1532	β-D-C	
	[726]			Appi	
	FW			Chro	
				Ref.:	
				160,	
				[843]	
<b>4-METI</b>			<b>4-METI</b>		
M 9763	β-D-F		M 9763	β-D-F	
	CHIT			CHIT	
	Mini			Mini	
	[536]			FW	
<b>4-METI</b>			<b>4-METI</b>		
M 4903	ELAI		M 4903	ELAI	
	95-9			95-9	
	[690]				
<b>4-METI</b>			<b>4-METI</b>		
M 5510	β-D-F		M 5510	β-D-F	
	(4-M			(4-M	
	β-D-f			β-D-f	
	Crys			Crys	
	[554]				
<b>4-METI</b>			<b>4-METI</b>		
M 8527	α-L-F		M 8527	α-L-F	
	Appi			Appi	
	Subs			Subs	
	[543]				
	FW				
<b>4-METI</b>			<b>4-METI</b>		
M 4508	β-L-F		M 4508	β-L-F	
	(4-M			(4-M	
	β-L-f			β-L-f	
	Crys			Crys	
	[726]				
<b>4-METI</b>			<b>4-METI</b>		
M 7633	α-D-C		M 7633	α-D-C	
	(4-M			(4-M	
	α-D-g			α-D-g	
	Crys			Crys	
	[385]				
<b>4-METI</b>			<b>4-METI</b>		
M 1633	β-D-C		M 1633	β-D-C	
	(MU)			(MU)	
	β-D-g			β-D-g	
	Crys			Crys	
	[616]				

**Search Results**  
**20 Compound(s) found.**

Edit Query

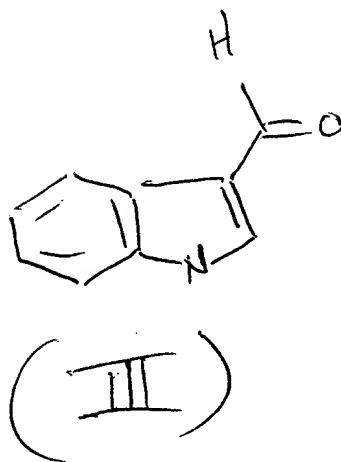
Review Selection

Multiple Structure View

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- << Prev Next >>
- ⊕ 7-METHYLINDOLE-3-CARB... ←
- ⊕ 5-METHOXYINDOLE-3-CAR... ←
- ⊕ 6-FLUOROINDOLE-3-CARB...
- ⊕ 5-FLUOROINDOLE-3-CARB...
- ⊕ Indole-3-carboxaldehyde ←
- ⊕ 2-METHYLINDOLE-3-CARB...
- ⊕ 1-METHYLINDOLE-3-CARB... ←
- ⊕ 1-ACETYLINDOLE-3-CARB... ←
- ⊕ 1-METHOXY-2-PHENYL-1H...
- ⊕ 5-BROMOINDOLE-3-CARBO...
- << Prev Next >>

Compounds from a search  
of the Sigma-Aldrich  
database using the  
substructure of Formula III



**Search Results**  
**20 Compound(s) found.**

[Edit Query](#)

[Review Selection](#)

[Multiple Structure View](#)

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<< Prev Next >>

→ ⊕ [7-METHOXY-1H-INDOLE-3...](#) ←

⊕ [2-CHLORO-1H-INDOLE-3-...](#)

⊕ [7-BENZYLOXY-1H-INDOLE...](#)

⊕ [1-BENZYLINDOLE-3-CARB...](#)

→ ⊕ [5-METHYLINDOLE-3-CARB...](#) ←

⊕ [5-BENZYLOXYINDOLE-3-C...](#)

⊕ [1-\(PHENYLSULFONYL\)-3-...](#)

⊕ [5-CHLOROINDOLE-3-CARB...](#)

⊕ [2-\(4-FLUOROPHENYL\)-1H...](#)

⊕ [2-PHENYLINDOLE-3-CARB...](#)

<< Prev Next >>